

## Halogenated Solvent Cleaning Machines MACT

SBCA-HSM-0800

In December 1994, the U.S. Environmental Protection Agency (EPA) issued the Maximum Achievable Control Technology (MACT) standard that aims to reduce the amount of harmful pollutants that are emitted to the atmosphere when solvents evaporate from solvent cleaning machines (e.g. - degreasers, parts cleaners). This standard also encourages pollution prevention by listing various equipment options and housekeeping practices as compliance options.

### ***Does This Federal Standard Affect My Business?***

Businesses that use cleaning or drying solvents that contain one or more of the following halogenated compounds, in combined concentrations greater than 5% by weight, in a solvent cleaning machine are affected by this standard. The term "halogenated" means that the solvent contains a halogen (chlorine in this case).

- ✓ Methylene Chloride
- ✓ Trichloroethylene (TCE)
- ✓ 1,1,1 Trichloroethane (methyl chloroform, TCA)
- ✓ Carbon Tetrachloride
- ✓ Perchloroethylene (perc, PCE)
- ✓ Chloroform

The following are not affected by this standard:

- X Mineral spirits and stoddard solvent (two commonly used solvents);
- X Fabric, wood, paper, sponge, and wipe cleaning operations; or
- X Buckets, pails, and beakers with capacities of 2 gallons or less.

To determine if the solvent you use contains any of these affected compounds, refer to the material safety data sheet (MSDS) or ask your supplier.

### ***How Does My Business Comply with this Standard?***

#### **Initial Notification Report**

Each facility affected by this standard must file an Initial Notification Report.

❖ Existing sources (facilities with solvent cleaning machines that were constructed or reconstructed before or on November 29, 1993) are required to file this report by August 29, 1995.

❖ New sources (facilities with solvent cleaning machines that were constructed or reconstructed after November 29, 1993) should have filed this report by January 31, 1995, or must file this report as soon as practicable before construction or reconstruction is planned to begin, whichever is later.

Initial Notification Report forms are available from the DNR (Form 4500-151), or you may submit your own report. The report must contain your business name and the following information for each solvent cleaning machine that is affected by this standard: address where machine is located, description of machine [including type (open top, conveyorized), solvent/air interface area or cleaning

capacity, and any existing air pollution controls associated with the machine], installation date, anticipated compliance approach, and an estimate of the yearly consumption of affected halogenated compound(s) used.

### **Compliance Standards**

The federal standard offers several compliance options. Your business may choose to:

- ❶ Switch to a non-chlorinated solvent, a water-based solvent, or a semi water-based solvent. (This option may exempt your facility from the federal standard. Thus, it's in your business's best interest to investigate this option.);
- ❷ Comply with one of the machine standards (see pages 1-3 of Attachment 1);
- ❸ Meet and maintain the appropriate idling emission limit (see Table 1 on page 4 of Attachment 1); or
- ❹ Meet an alternative emission limit (see page 5 of Attachment 1).

The compliance standards are organized by the following types of solvent cleaning machines:

- ✓ Open Top (Batch) Cold Cleaning Machines
- ✓ Open Top Vapor Machines (separated by small and large machines)
- ✓ Conveyorized Cleaning Machines (separated by existing and new)

### **Compliance Deadlines**

Existing sources must comply with the federal standard by December 2, 1997. New sources must comply by December 2, 1994 or immediately upon startup, whichever is later.

### **Initial Statement of Compliance**

Existing sources must submit an Initial Statement of Compliance by May 1, 1998. New sources must submit this within 150 days after startup or by May 1, 1995, whichever is later.



Statement of Compliance forms are available, or you may submit your own. A Statement of Compliance must include your business name, address where the machine is located, and a statement that operation of the machine complies with the standard.



### ***Contacts for More Information or Assistance.***

The Small Business Clean Air Assistance Program helps smaller businesses understand and comply with the Clean Air Act regulations. Contact one of the program's Clean Air Specialists for more assistance: Renée Lesjak Bashel at 608/264-6153 or Tom Coogan at 608/267-9214.

For further information on the the Solvent MACT contact your DNR Regional or Service Center office shown on the **DNR Contact Fact Sheet** or the DNR's Central office at 608/266-2856.